AVIATION AF WEEK



In a class by themselves...

IN COMVAR T-29 "FLYING CLASSROOMS"

USAF Air Observer cades are getting a big lift from Cowair's famous T-29 "Flying Classrooms." These multi-place military activate trainers are helping to teach the ARCS and activate trainers are helping to teach the ARCS and activate trainers are helping to teach the ARCS and activate trainers. In the result of engineering that aims at the maximum of air power. Engineering to the Alth power COMVAIR

Myndd Arwn



100 Complicated Math Problems-Per-Minute Are Solved For Him AUTOMATICALLY!

As jus powered planes stresh as new alticulus and speeds, they undergo optimizated charges in temperature, pressure and mousain conditions. These charges cross a food of sunningly complete full ensemble problems. Adding on the completesion are the prior's charging demands from

Solving done had meaning problems is equivaless to solving one handred compositions every 68 sounds. The Hosley Varbine Control was de-

Ministraturing the Halley Toebeae Guerral requared highly spenshased skills, see Working to excitose solitorous, Helley's monuforming distision has produced precision notions controls for thousands of the nation's pet outgreen.



TATES HITE MILE BOAR VAN BYER, MICHIGAN LEADER IN THE DESCH. DEVELOPMENT AND MANU-



What's all this talk about PNEUMATICS ?

Men like George Methiant were talking — and dang something chost presuments yours age. As early as 1800, Mr. Methiants that out prints in England for a presumatic sustainabile But today, the beighted sparse for presumation in the definition. It's easy to see tody, when you look the transfers and that the tremendous administration of presumed systems.

Paramatic systems are light and onfe — and since sie does the need, yet/re care of as onfinited supply, What's sare, there's as for hanned, as danger of system breakshows from silver boths. And paramatic systems operate silver boths, and paramatic systems operate time range . . . will give you til the power you need, from a feedbar tooch to a side-duck

The heart of a grounnatic system is the coupensor, and Kielde has a 3000 pm compensar the sax of a doble radio—she lightest, most efficient on the merhet today. Kielde also decisies and traket Incometic components such as gressor reducers, air funes, 2 and 3 away coloused control valves, dehamalifying equipment. Today Kidde om engineer and furnish a complete persusation

We have at Kidde are constantly on the watch for new applications of this exciting face. We think it fortunate that me were among the first to explare this fascunating field.

Perhaps you, too, are inscringular this power tancerose. If you have any grabless in gas motion, write us.





EXACTING REQUIREMENT VINYL SLEEVING



the more reason to buy from adherence to reconstantions tees uniformer; and prompt.



Aviation Week April 12, 1994

New York 31-300 W. 43ed Sr., Phone LOncoper 4-3000 (Highe LO 4-3035) Weblester 5. D. C.—Makered Prop. Stdr., Props. Military B-2016 G Mit spent of this error printed

Robest W. Muste, jr Publisher Eabest H. Wood				
Rabot B Hote Executer Editor	Medic H. Mickel Moneying Editor			
Albest W. Sente: News Editor Dred A. Andreton Engineering Imag Stone Verkeund G. E. Christon Epopuent, Mantheemer Enthrens Informs Congress	William J. Graphin West Cond. Scries Larg West Cond Assistant Henry Leise New Dest. Gender G. Gooley New Dest.			

Floir Day Asserts G. J. Maddinger, Washington New Beds Error 1 Schoo - Special Amazonetta Lavance I, Blob - Art Editor Fronk Stee, b. . . . Exceed Assessments Lee V. Torrey . Printing & Production DOMESTIC NEWS BUILDING Chingo 11 120 No. Michigan Ave. Law Angelon 15 1311 Wildram Blad

Person Mr. Line O. Coronel: See Ports Land J. Helens Boar Credd W. Schools Tribre Abdres W. Innes Aristin West is seved by Perm Americana, Sec., a subsidier of Associat Pres-

Reward and Marketing Mary Datviller, June Orche and Mary Windows I. G. Money . . . Surpey Manager Sales Assessmentations J. G. Andhesse, New Yorks H. P. Johnson, Cheedensk D. T. Stern McFarrendo, Los Angeles, W. S. Henry, Fhiladelphia, C. A. Ravallell, Daturk. Obbo-

office (NII Indicates from the Military State Comp. Property Property The street of the Array and the street of th Name and No. of Concession of the Contest of the contest of a result to the pass that the con-

ANATION WITE And 12, 1991

Hold the horses! Here comes the flying machine!





sages, Accepta's mast penerial search rader to chinate by form of eight says of hours. Though to the conduct supports I their Pring radio castifica can stru

expectives. In the field of eviation fuels, Phillips Petroleurs. Many years ago Phillips adjusticts blooded cuttared gosafter components to make the super eviation first of the tirger. Thro, Philips originated and was few to mana-

PRIMARE PETROLICIAL COMPANY









next of a fifth, as smill as necessarily adjustance, for the source about

NAMED DESCRIPTIONS AND ADDRESS OF ADDRESS. Our consideration and remark fundation is one didle and release one



NEWS DIGEST

Damestic

Bottom April 1985 Co. secreta da com-Lockheed RT-53, four-emery shate

Lowest GCA for small arread

week by Laboratory for Electronics. Air Toronout Asser's new street new Franks, wer prendest to charge of

Brie. Con. Millow W. Armeld (1984) Bet) ver presdeet et Air Tonsport Col Wilson H. Conscill, 42, who

Financial Entres Air Lines' net second for

\$144,463,315. EAL gives they remove



Eisenhawer Signs AF Academy Bill New Places Capabant, Inth. studies passed USAF Secretor Hamile Tables to shake Prendent Stonakown's band after the Chief Stonakov had signed a hell establishing

tiled hom left, she werened the heaver recess. Talket has somed a commarries to priori to Air Academy one, pickeling Charles A Lindburgh, House Smoots, degree Charl Charl of Staff, and SA, Gre. Photost Physics, special printest Northwest Orient Address reports. If and was the first French soles to

Age 2 or Bounels Peul Streets has Suborel & Western Addisor' nove-

5567,900 to 1952. Company blooms Kenna Accord: Corp., Hounfeld, Cons., reports its based of discretary

Mestor 45 could per Fore Ass. the ground in a highspeed sweep befare Kriting test pilos Constantes Rosesoff. Cal. Rosesoff, 49, noneuroded the La

Are 3 shortly ofter taking off from Adore Arport for Askny and Istachol

British's Manatty of Supply: Knowl ofter named from the "offerst" reservments is expected to be applied to respectively for early fathers rose on Co.

Philippine Air Lines reports comoffset by paper profits from the sale of



Presenting "MIGHTY MO"

In sheet metal clause and applying tools, Monogram stands for the very finest...and "Mighty Mo" stonds for Manogram. To be sure of the high quality that "Mighty Mo" represents, specify Monogram when ordering unfery classes.



MANUFACTURING COMPANY 2557 Higgers Street, Culver City, California

The Aviation Week April 12, 1954

_ AF Develops New Fredericas Mes BEI Reporter us Godgen Agrowel Fifth: Cel Finis Reports Reveal Air Industry Gross Cepter Line From: In Nas Dage Sembard Forces U. S. Light Eighten

Reachler Town Dies Co Treation Step 50 Earther Assponses Speeded Vy. C-17 Still Going Strong

Lesignated Designers Give Phone New Lock' 10

EEA Childraged on Atomic Bullety - 19 Nov. Second Communic. Blockwell - 43 Financial.

Air Treespoor Siria en Frederline Fredre New Breederline Hits

Aur Delbuin Up her Staffe con Bill Aris Namehad Delbuin in Francisco der Treest Departments

Arester Produce

2-Title World, 5-3/m) Novel Ariades Novel Lentilly Officiales Overhood End-oid (1-Wide World, 11-Freehold)



for far by H. Un shorte or retained in comes for County constraint Smilety and transports for faire confiden

New Navy Combat Planes on View

leased 1 hr. 47 min. Marks on wooffend









WHO'S WHERE INDUSTRY ORSEDVED

In the Front Office.

Janes H. Cooper his reagned to note consists frames for Dida-Call As Later. Pers have been elected van nembers of E. P. Hatten is new vice considerations. for Leach Coop., Lin August Frants E.

correlation for Mannerale Honorard Berry Remai, Ironaless of Euroa Woodshader Com-have been should to the laced of Theore-

Harry H. Stedmen, & , her been up-

William L. Gogs has been reconciled by Maron B. Roffin has become denotes of Checks F. MaCabe and keeph H. Fresh L. Argolf has rangered as ader ch he Mondey has served Postschip Indian. ton to the therebers Coll is such On C. Oberet a new contest fators manage for Chance in new annual factory manage for Chance Vocable Account, Inc. Delta: Also assessed Sells C. Sauth Phot allementator for Petrolin Ariston Corp. Box R. Area, former publishly represents for for Fan American Winds Assess, has

Honory and Elections

P. Azonnatical science is burely lestying about of the demands of military sizealt, according to accord testimony of top scentum of the Notwell minter NACA everything are the may between been grouped and its configufine is now so narrow that many of the current respection of histograms fighters Stendb have been engineered in the windbannel.

Proce, contrary to usual policy of poynting ignital flights, well put let comnear make assessment or constant. Becaute decides that the E-104 First installation of Novelea, new long-darkness parameters extens which extens as a common system standard for U. K., and neighby weighbode use

Observer Week Apr. 5, p. 28), is expected to longs within 12-15 months. Contractor have USAF imposite to hid on Nacoba recent execution. P-Titudem allow Modes for turbout compensor rates and status are powproductive iteres. Theregoes Products, Inc., or realizer the sasts for U.S. *Allows ANIAska TS6 tedepres wer feet from at end of but mouth

*Transcense Air Lines soon will finds test a may of set appliant convenients ▶ Tennocena Av Lines sons will flight test a pair of tex maximus powerpoints on one of the C-46 Cartin Commandon secreting to indepeny elements, lantiflation will be about to that made by El Ad Jonet Archers on its flost of C-46s (Acostine Work Aug 16, 1983, p. 35). Paypose is to provide

Figure Air Pierr is considering the use of Cornet are terrespect, as sensel. * Victory-Amostrones Alexandi Dischlore research are coder for those Victoriana

from Missie, the Egyptim arder, bringing the total purcher of Vaccounts subl to 91. Minoris reports to get delivery of the fact Viscount or Leit 1915. ▶ Civil Agreementor Administration property U.S. aidines had 400 transports. Arr Novicella and Development Board traffic control associate a new being used by CAA to develop and test new traffic control procedures for specific congested terminal areas such as Washington, New York, Chengo,

* First production F 302 was moved by track last week from Convey, Sen Direct to Educate AFB. Other manhaness models are on monthly law at P.Nove has a new design competition for a opening helicontex that eve he descend from already by posselvate. Moreover west then true of an air trans-

Gener Leaving, presery properties as portable copies for recommensures and communications work as part of their AND ATTACK WHEN A SAID IN THE

-Washington Roundup

Secreey Debate Air Farce vs. Army Engineers

Deliver Desetment's "least" berfogs do not gave Station Department a secret market, or our non-

which alread not be discussed in an affect to obtain a to obtain information about the state of air defeat of the U.S., be has to sele upon engrance articles

Next Air Show

Air Fundation Inc., any posit occurrence in Clear

Windtunnel Costs

If the Senate pushing the \$3 6 collision can in the aper dred soft freeze propie and a have weapont of electric

· bushilation warrant was follow behind the strengt and

USAF contention to the Acute Engineers, and a change

MATS Regregation Military Air Transport Service and submitted it to Defense Secretary Charles E. Wilson for appeared. These

National Airport Proposal

Artise officials have bed they first look at Consucers month, but a momenty in concerned that such a hell, of

ractice National

YOL. 60. NO. 14 AVIATION WEEK ARREST 19 1054

Air Force Develops New Production Plan

· Initial production is held down, but accelerates after but with realisticative technitests have iroued out bugs in delivered aircraft

the minitered further public in · Cook-Craigie program is expected to cut costs and set up technically sounder development of output-

By Robert Water one and then tooken for country too upplied be the Ay Force to virtually all Dames the pure of interestional copy the carle becausely any com-Known informally as the Caol-Corgo protoreraret pion and formally

to building sixual presently for so entit we seconary for a complete test

rice teeling from the first phase of



Other new shough new on each

new oten carbally McDonard F-400

Planeleyel Output-Sent Seture of

of employees at more expedite to you 5-to-14 month period of metal paocould were not combat ready and had to

fabler is sofficient questity to at least

telly not come. By keeping miles! production low cold sufficient actual * Wrote Old Sheet-Under the new But under the old proton, USAF

in creat of emprency. For enumely, P Definite Goal, Another advanture for

program matered of weeking out the tree - at gives the rubbary a better opportunity

Sent of the other banks

HOW SLOW INTITAL PRODUCTION PROCESSM would not to a new interpreter in shown in this chart, defining part processes for wason components. Flore is the complexy F 159 experience intercaptor. The F 209 v thousand for control system is designated MC-58. modification response of the pest. Upder the new program, metal medifica Gent Laurence Groupe, Donald Post

Human Factors

Man Still Superior to 'Gadgets' Arro Med meeting hears how ARDC tailors a weapon such as the B-52 to human expobilities and needs.

for the USAF Air Revench and De wespon Observen from ARDC Barron Factors Disertents, USAF may todagod "lase-how"

"Accretion this manufactor of the P. Harrier, Engineering, Philipper, Ac. septed the work of a specific ANIXC

Warring hell for mengrosy except. With the pressure helper on, the old evenue of want as authory agout to blicking and light in plea view of the

· Relocation of customerats. Some of as FDL was: visible optimilly to the

. Carry movement to redware it was Classifier action: Provide suitable

+ Radar county according The ad-

end podental sessiblade on the \$N.47.

While adjusting them he could not look appultaneously at the face of the that he is temperally out of his evethat he is temperally out of his eyes-ting our and appropriable time would be

Conscience action Relacation and re-Practional Effectiveness-Col. Floksorts and expensence gritted by horses tion of this to weaking groups of annet the place and other warrest which of became concern other odgs and skills required by his and

At that time, so setted over with *Change Practical-With the entry trictor can ipply and their is unanimous arrestment between ARDC, the secur-Plickager reveyed the progress mode to date in developing human facthe eater dealers and approprie 2 to weapons notice. He gited the defencing been deleyed two years, or that we could regarders in mable farm collection, accommission and dispusingrelibrar or scudence, discind towned

plained prior to the per-worken supre- mon-enachine options performance. Airpower Fight · GOP senator challenges

Demogratic estatelem · Yerguson says buildup 'making real headway." for the change must as a laws the son publices Sen. Houser Proposes, to a



General Vandenberg Dies The Air Franches are of the combat officers , what he bound the "con start" lithways

with the death Aver 2 of Emery CSAF CSAF amonus. Francil covers for Van memorable principles acceptants from the the best of streeter efficiely. Bend use in Washunten Ione 3, 1953, denser to faul tribute. Blu tom or USAF Chief of which he challenged the new Administry. Stell from April 1997 to been 1993 absured boar's elem to got four and sheet's not a Many subton corner

tractor cut apply and there is unantimous appearly by Democrate See. Should See. Ferguson, chierman of the Miktury and not on the problem of the situation we have now at a solid pragram which ►Obligation Criteria-Perguson said

> will not be \$3% attoowend out? P-Concelston Explaned-The GOI

weather declared "Day Air Fours comhat wings today are 6975 ast equipped

Congristion of 965 planes, France

New Copter Firm

· Fairchild adds American Helicopter as division,

· Plantice replacies projects are included in purchase

Accessory Helicopter pass concentrate drawners and theory rises printered Last November, Franchild sommed the Soud Control Division, which has described assembles. The first our is peadwing five XH-36 struck-place developing a ridor newscolent polyce

Prime Contractor-The copter builder ine offices my of Manhattan Book. et Costs Mess, Callif., and posterplant The fru has been an Ay Face. Circus D Drope, farmed arridant come general canages of Faschill's America, Helicopter Division, and

Airlines Delinquent

AVAIDS! MHE AND ID 1994

XH25 OUTFUT at Principle American Haboreter Division, Medicates Brook, Calif. that is more even DSAF was not at deliverent in empress at \$1,000 or for fuel perchant (Avantor Wess more The Fronte housest disclosed the Co. ST.





On AF Gas Payments

Custinental Charten, \$16.127 Misses Ardines, \$15,616, Federated

lines \$45,130; U.S. Artines \$142,490; made developed intensit takenfloring waved with no enablest decrease in Lines, \$1,500, West Air Trompart, \$2,500 Assoluted Ast Treasport, \$12,965. Coost Lakes Arrings, \$1,464, North

PAA Expects Credit Plan to Boost Traffic plea, whereby seconds personant and permetted to pay for fichats in mouthly

restoliments (American Water Mar. 24) Scheduled to go rate effect May 1, peaks. A 1976 down propert burn the risket, with the believes soughle over 20 monthly instributate Pinneckey easy coney all charges an face ables. On mearmand taux, it may include medec terresconting * Air Turnel Bid-Street Section Suffer . Interpretational turned here not been at

. Bratificated buring her become on Aerolet Buys French

let Thrust-Reverser Armet General Com. Arms. Colif. with Secreta to build the Former agency floor requirements except for the men. manufacturer's let threat secondar de-The Seasons threat-revenue is applicable to my turbust quelas. Accord sers, and is designed to stop a get phase in these half the distance woman's we

and emphalishin by the mire (Ender p. 40 sed Jon. 33, p. 581. Seemes has flight todad its thoustrevenue is a de Havilland Vannin un ser known to be developing at several

C-46 Fixes

· CAB submits two plans for air impatry study. ATA favors 865,000

modification proposal. Girl Accounter Food for work adverted two proposits for modifice routin industry for comments before deciding which sed be approved for Industry will have a chance to study has been studying the modification . Treat competer for the commer problem at Lee Angeles, were lest Au-ACER syspent, which if finds many

> have beenger Report Airlines, a corne him and is independed in the Manne community's modification * Waker Sees-Norms H Gelfen. remort of a four second best when the difficult to convenient at maximum ACES points out this is not a country

Elected now Associat Greated warn deat and The Swart revener permethod count by a colling with a wides a resembles perduct to our at had, it is felt that the personal can be like.

CAB has redended much light 1 the comprise of the C-46 from monthlotoring to prodited C-46 store Mer. 15 conficulties toda as about two works. Golden says the ACES C-46 will be

ready for flath; testing by read bloo-AEF promises out 18 C-16 to

Difference-by difference between 75 to 575 most news, ARP Each. ACTES expresses he symbol that \$2500-75s with the \$2500-14s, also DC 6, m solding to modification of re-allified and metallical for \$1,5000 and In addition to the congression here USAF is veidly introduct on the most

CAA Studies Viscount For U.S. Certification Polymery cutification studen of to critificate the Builds (rememort stance) citch. The irreduce prime where to can-Truge Carabbean novident O Res Chalk his received a contract fruor





Missile with a "one track mind"

... Bomber Defense

Defended maked missible hearded from super- trols from Acres are an integral part of many of scale circroft will depend upon electronic resevels. America's root advanced washing to have sethat come as close to mendating become notelline search, design, development and manufacture, groce as any machinesism ever deviced Impartmet. Assess Corporation has worked in clear conservatypical of those currented to system made by records, the Avenue Farry Commission, Assay

tive web the Acrost Furner since 1915, and more Corporation, Broaklyn, N. Y.; Moncale, N. Y. Complex electronic and electromorchanical cos Submiliary of American Bouch Corporation,



1953 Annual Reports

pary	2953	2952	2153	1662
	1146575.700	\$129,136,375	5455 000 000	5445,000,000
	12021043	775/00/214	2.517.600.000 2.517.600.000	
		2062973748		
	120341.543			
		143.095.181		
coditions of unfines	STEERSONA OTHER PASS IN OTHER PASS IN		CHICOGRO	

Reports Reveal Air Industry Gains Annual statements point up sharp climb in production and sales, tell progress on new military projects. Contractor renduction rates additional addition systems ambulanter resident characteristics.

Buring's rates perced that hillion-doffer Highlights from the organi reports

• Bell Abrooft delivered its 1,000cb, bullexpect on 1951, and before the rear's engler in 1955, and nemer too years and in copies logged must thun a red to copies legged must then a Model 47G, was appeared by Cold The New HSt. 1 art up contry at mented the document rate at the Fort maded relatile for peopura, has nevcutted as every so 15 only best fights en a sinch Branche maior auffiner of dollars on these ordered respondable

. Boding Alightee currently is stabiling then do covered fromment and how which many then city many delicent

Paters development of a broader methet for Sorreg's model tustoos, now country relition, is upday study. The Gerry Wright most \$46,975,315 no. Orden for the White Turbo Com-

total number of suffice worse the

for few newsery trees in addition to

compare without a fahter in production XF-104 save superscript type is model The company non it has appeal 110.000 mon-hours of study, combineaug (60.12 hrs drougn structures of set engines on transports.

Gloss L. Mortes cloubed to the best shorty. A modified version of the dudge is being definered to the Court The first of a number of RB-574 cots more to delivery to USAF a Chidd Assently Boot & Wheter Output of 1979 is supposed to un-curate that year, and confection of 149

Powerphine crutchildry for the Chosen Vouchs P7U-1 Curley, what The Vicele Roppins whole we with fights below reads by New year

The company mys dated firedge shipments this year will be less than



Hereb Secrements 15, Com-

Warran Taran

WIRE TWISTERS Manufacturers, sub-assembly adc. Palhook. Ranche Store Pr. Espleats, sidless, military bases · National City, Chain Vista, Son. spile second whirting action of the Eckinson. When Twister, in the engine on engueb to pay for f ewitten bandit mit ! peren, ent The fees to headed by Charles H ten cause D' and C' bouch Arberts, a Sun Dirgo property. Other \$19.50 m -- \$18.50 m In dex.

USAF Commission RALPH G. ROBINSON CO. To Pick Academy Site

New Copter Airline

Forms in San Diego

A number supposed behaveing sickers

New HI-LO If the communicat's decision is not Temperature Test Chamber * Library Lecutions - Cutters on Codes

vers of people sets and should facilinamed by an excrebelings recordly of USAF's mount for academy funds.

Trumpany Solus-USAF plan to start with a temperaty academy. Incured

Air Farce expects eventuely to obesis L.K.'s Pacific Airlines.

Begin Reorganization

U.E. por normal pushed the newton



Columbia Gets Copters to Fight Disease This fact of 10 Act 400 center had an Councy will seem beenfunder over the in front of Bell Accords Copy's Helicopter - more perfect, more at an extinated one of

Energ about HFLLCOH inserts in the

aircraft industry Het Golff weren thread league are pre-resent factord yads of structure deal of Phosphot beyond way Would see

Through topped as alessensin to stages colled distiplic Ferrer or shorper on source maps neverth on frames weight showegh Relier broader, finner fanger and themer ball on local

PRODUCTION SALVAGE

reped thereto are invited up to water trappent, or reviewed to device, repre-No webbee -- so playing -- so secondar mechaning -- so resolve source complision to "Well Call" or which me publish lower power on what others are thought poor field

Helico are dudied and reprod as you feel malinery threads that Alex Con-

Available fig National Coars, Nissional Free and the field shareds, page shourts and spots plan shareds. They are made in all sandouts since and laughts far cascability requiring Class 5, 56, 7 or 28 for

coming. the cooperat "Aug to 5 for our and Industried Uses



industry today - Designing with lighter materials. That you be it is Call formy throad transference in Makifall bours percent the use of higher materials in Mail Carl Secrets of the granter Standilles of droops because May V A Por 64

HELI-COIL CORPORATION ATT SHELTER BOOK LAND, DANGERY COMM. Plants and named and suspen.
Finance and man to be in combine Hell-Coll. your blance lide case.

Division plant of Ft. Worth, Ten, will be 180 next per hone. Conventional nations and by the Colombian Mustry of Public application anotheric would not appeared Holds to employ disconnection months makely 4000 man they were supplied.

AVERTION WIRE AND ID 1956

Kearfott developed Servo Motors ... in production



Characterized by very low roter mortis, less time occurrent and high wall tengor. Kenniker Serve Meson for symbolic for near measurancing requirements. Unified bossing and stator construction makes possible colores meterated unfor extent contributed contains

For either 26 or 115 volt, 60 or 600 cycle excitation, stall house values range from 30 to 3.5 ox.-ox. Genred Serve Monors in the same discounters. Vivious Meson-Consumor combinations provide 16 to 3 I volts see 1000 R.P.M. with become, over a second career of 0.1800 B.P.M. of 151 for

damping or 1% for computing purposes. Send for Bulletin Amobing Storm Notice of Selects to you.



KRARFOTT COMPANY, INC., LITTLE FALLS, M. L. Married College Like M. Branches V. Charles S. Fr. Was Come at the State State

Day and bedone transports exchange ten from inputs openinting of per-Anaron Wass Feb 22, p. 21).

First Sup-Australia is atherised to attribute Beltah and Now Zerland et ever BCPA's true Peode severe from Australia to Neeth America, connecting

P Equipment-Under the recurrentline

elegates my TEAL will from difficulty tolong over the DC-fe and product New

PAA Sets Up First

U.S.-Orient Teletype Pre Americas World Agents because This much the first time as sidice

ANNATION WITH And IN 1964



Dutch Prince Favors U. S. Light Fighters

leads, following a tour of American Several light righter development

P Court to Court Tour-Branked's line Co. Ridemon, and gerlated McDay sel Astroft Cop., St Lossy Office AVE. Nob., where he was a great of

He also towed Deagles Aistroft Co-Santa Mesora, Calif: Lockhood Air Burn, N. C. and Revebby Accepted PHigh Chrosco-Crocerd high or exter cleasures by Propage, Borghard. inspected experient chulfed military projects and flow in the North American T-25 and TP-66F, Douglas C-124 quelified pilot, including why the review



*Can precision hydraulic valves within 2/10.000" tolerance be mass produced "... WHITE INDUSTRIES proves that a minima harborally subset

within 2/22,000" salarance arrent only no entracting prochably Close coordination of WHITE's special and facilities, bighly Effectives and appropriated solutions to the most difficult about some Lot the engineers of WHITE INDUSTRIES hale you too by preving the only wand get in their vacabalary is IMPOSSIBLE!



AND THE PARTY AND TO THE

at new projects, including the radeod drifts were \$7-100 and the \$7.00. Pilefens Davebeck-Other people

Chicago's Midway Is Busiest Airport

Chrisp's Midney Aspect was the of tatel traffic as aspected by Circl Acro-



NEW LOWER COST FLOATS ANNOUNCED





Known as model 2020 (2020 round disclarations now South the new floor replace model 2425. They have new practically curving how section and greatly interested subber bow humpurs, early removed. They return the formed Edu-

flued belows for mexican perfermenc. Endler control Despite these impervements and incoused displacement, the 2870's are peired at \$5,995—\$1,605 less than but year's price on the 2425's.



Cambot, Washington National Lo-

U.S. Airlines Discuss India's Notice on Pact workly such-inde a decunding that ment has made in Neverther 1940. \$

State Department representations to Now Delly in Monophy 1861. Then

During the her six years a thirty There are at present 15 families air

screen leaden and engineers traffer eleber AVSATION NAME AND 12 1954



O fitted groutly from the development of the

The Aret off-motel frame New Josepher court in-

Goodness's specialised skills in working pioneer Methods of working, visefing and mebling sincerch silone-first decord by Condyour's attachin gream-

with strumpyl meterial developed for the deck pletes of surships - in new factor many uses in halkhonds, saile march, handsher dones, when teelland campletoned qualities.

would redome - electromagnifically transparent bearingter relical, bearing the because since of eleborate speed skiplanes,

Gonderer Aircraft Corporation a valued tensorate the more than 13,000 cars and somes of Condesar Accords today are producted for those persulantopers recrething from sundays components to comodete fundam shells ... including cushoft conceins

For more information on this would'de. these

GOOD# YEAR AIRCRAFT The Team To Team With In Aeronautics to

Genduny Aircraft Companion About Ohio : Utchfield Back Advance

First Views of B-52A Production







being tolt flat, when coupled with

NOSE SECTION of \$124 is beyond into prediction [ig. Upper red lower compensation lased with all corrupted belichests will beaut sides, record engagement













The first and only LARGE SIZE terminal with









PRODUCTION ENGINEERING









MMILE is used for families may perfets, should remove. SURGED SECREDLY bound to become Torrespond may be Author, with leading electrody interferd (grown), in corn on the absoluted by baseling proper for recorning bending of part. Republic Team Digs Up Titanium Data

Dr Irvine Stone they do today spless they stilling to between Alliers or other motal with oppre-

petition for top billian

* Look Ahead-Aleady remedy drams - terroum studies now and readucting groups not doing grand-foor jobs in perpenties for in the own nation for the east theties, nechanisms are all base obsesses, he developed that del-

This welcopered use of bipsesse of the metal, coordenbly different from The reason Pienes can't be built of allow as a paint portion of their polaries. P Need Most Data-Resubble surmers. By that time, tasked tasks small, our allow by medication to signalperfolion for the metal should have been intractures, because they find that the

Furticolds, N. Y. who are done to Resultion to trembedly introduced in







and as analogic units as angle penal. Single bends with 5.7





LEADING TIME SECTION is found. SANDWICH FORMING SCHEME for both his blusses after dead between the

Engineering Research and its Marry

· Extraining payment be observed as the · Arried use of costal strange arrives by group pench rabber steep or mak

Recommendations for Titanium Working Republic Avistim engineering and establishing restriction have come on such a marrier of expend recommendation for handless through allows · Marriera Arigin band under on mudifficult purbles to blackers mentions?

 All husing specificar must be under that control for time at temperature and deriver of host applied. Time at . Hard work thentil not be med to from





The KLIXON D6752-2 is Your Solution

This new circuit breaker design has successfully repeated circuits

2. Over 1100 supposes, 120 volus AC, 400 CPS (Curbon h Approximately 2000 amount 100 volus AC, 400 CRS

Here's a cloculy breaker that not only solves your suprare exactits problems has given you all these additional desirable oper-

- a Describble precuios culibration. . Herb short and otherwise commerce
- · Fareliest rendominary and anothers

Write for data describing the Diff \$2-2 and other Kinns. herformence terms of Classic Personne



SPINCIP THEMOSTAY MUNICIPAL



LONGSIRON of JOS to your or formed but many selt by he drove ou 760, ton markets.

with BC 1904 follow. They were

correspond money Main problem

and races power.

ANSATEON WEEK Aural 10, 1954

"O. K. To Jettison!"

The force ejection pylon designed, developed, and produced by Pastushin assuces

safe, positive election of lemsonable arm aroud or possible flight attitude

PASTUSHIN AVIATION CORPORATION . Les Angeles, California DESIGN + RESEARCH + DEVELOPMENT + PRODUCTION



Chances are no matter what business you've be examply others; bossehold applicator; ... praviding transportation for people

creeres and laboratory control, of the Energy production usefulness and equipments, and of enperceived people is all disjustments. Our Energy algorithm and staff of congetude processed are given to meet any causing registrated. Let us have about powers. Mere realisely 80 - 53 cm request.

Well-Cast magnissium and audhinum castings
Unit-Made wood and metal patterns

THE WELLMAN BRONZE & ALUMINUM CO.

1,000-1,000F by resistance bearing (19) amps, for villege) with electrodic structure to the excent material at the code of the blanks to the press. Heaving cycle was about 10 seconds. Treaster randation soon partnersed between the black and the die.

Popularias Appetia-The experimenthe from a transport of the control of the single control of the control of the enter electrosty in fed dentity to the part being fearing, some degree of the control of the control of the part being fearing, some degree of equival, Single index.

Altotally medical said for the tersion cylender were correctioned except the a special efficient design was de-

lon reed such. Evaluation tests of the toxicopicular interests on a progress. Plays Benderic screening on a progress. Plays Benderic screening on the depolaries toxics, in a concerned with a fery discreening to be a concerned such as toxics, and the second with a concerned such as toxics, and the second screening of benderic with a second screening of benderic second screening of the second screen

O LJ gage bench (332 gage) with a wideled-depth ratio of 3 ha i not lead named in a rather forward potent utility, ag a female from hard on a hydroding grain. A spend Agabonized the result from the control of the property of the host short method during the forming persons. Magging age.

Singles sep.

Foundable, Francisco-Hotelmonies of the head thins place at about 1,000 L1807 with one specifies in 4,000 gas. The No.1 MA, since it mondeadant between the production of the prod

sentings

*Better best retrailes a strided in
the timesure also, sheet desire proselet
loos former to press

*Support is provided doing the loculing. This, it is believed, funds to crokes
sucking thissess, escally accompanied
by represel on previous at the frames
temperature.

Noneagues satisfactory parts here

ANATION WEEK, April 13, 1984



VOI-SHAN

Serving the Aircraft, Automotive, Marine, Rail, and Oil Tool Industries

35

a 25 watt, 360 channel VHF

with these features

- a oil 360 channels crystal controlled
- 50 kc chennal spacing • smaller - takes less room
- lighter weight only 25 lbs. • outometle tuning

In response to the needs of many airlise and executive sircraft operators, Collins designed the 17L-1 one half the size originally specified for 25 wast, 360 channel VHP transactors, 50 kc spacing allows maximum use of the VHF band advanced design techniques provide excellent spurious suppression. All opera tional functions are remote -- you choose any one of the MO channels with If you fly an airedance with limited ruck apare, he ware to investigate Collins new U. size 17L-4 VHF manusitres. Available soon from your nearest Collins

transmitter in $\frac{1}{2}$ ATR size!

Collins NEW 171-4



SPECIFICATIONS Proposery Rooms . . . 18000 to 13500 me

offer 14 ways EC with example had Frequency Stability . . The country handstary districts device for the progress channel therefore by more done to the form

Outcome Less than 10% or 10% modules on

Contact the Collins office nearest you or write for complete descriptive literature.



COLLINS RADIO COMPANY

1918 Miller Price, Ballas 1918 W. Office Avenue, SAUSAPP







NOOMILY PER SANITED - Descript New Falson

CORNELIUS PNEUMATIC SYSTEMS

McDoveru his becausing

on all production amplians area 1940. Contact use, moved after meeth, developerations the reliability of Correction produces. Since 1942 Correction has built thousands of high prosume an compressor for the leading attends made to be leading attends to the contract of the contract of the leading attends to the leading at



Force. Profit from this asperience—write to us about your provenside equipment englatements.

THE

COMPANY
MANIMATORIUS SI, MINISTERION
MANIMATORIUS SI, MINISTERION bled with a majde clase to equidence weight plead undisone passe. Phinomen Diber-Steele experienced and parameter properties with EC 100A concern a feet parameter. Both these parts better made in a superviseant deep note made in a superviseant deep note made in a superviseant deep note made in the parameter. There there were not present such as well more for standard superviseant superviseant

a Hing, Performed to the shape, the substitute on hermal or above to 900. LOSW by the electrical artistation are hermal new place to 900. LOSW by the electrical artistation are presented with the substitute of the party of 1000 nature, however, the substitute of the party whose the electrical artists, done for reflect to 2.10 st. he was all on electrical party of the substitute of the party in the substitute of the party in the substitute of the party in party (1,000 nature) or sums). Singler resents

There are the substitute of the substitute between the material and the

Temperature control was be Tempel-Stude Interpretative andistrate. Stude Interpretation setting, the chemical residence washed for short linearing would be used wherever applicable. Studer zero. The place cloth would be applicable on resent between the short and the die.

After a single blow, the harmone in temperature of the clother control for

shout it to 1 min to onner outdoor, cooling, then preventing debation of the pert.

Big streaming of this helderward, provident using the horsener in that the material in formed with management perighted, perfecularly in instincts

with coal material. P Histoger Operations—A stranger in the operation—A stranger in the operation of the operation was adjusted to both both and coal off ferming in The particular of the region—emissible was hand-desired off with a local state of Linux. See all the coal states of the state of the state of the states of the states.

Guard Hotelweing temperature use \$15-5007. The tringer was hairded user founds over a got besset. First user soft was different, better the steen reserved and the steen the steen of the Very conful appoints subsings was received to week wedge reacting from the first-transgements. Springback appreciantile \$1 to \$1 deg., was removed by steenshifting as a federar moved by steenshifting as a federar that, all femred parts as being steen of these of the steen \$2.000 from \$1.000 from \$1.000 at 1000 at \$1.000 from \$1.000 from \$1.000 from \$1.000 at 1000 at \$1.000 from \$1.000 from \$1.000 from \$1.000 at 1000 at \$1.000 from \$1.000 from

Usually it is remediatory to hold a port to the decord configuration to





RHODES LEWIS CO. a subsidiary of MACULLOCH MOTORS CORPORATION

SIGN WEST TOO STREET & LOS AMORING AS CALLED AND

Descript Date-Concepts, no de under it boar door it Roughly on and of the facused ports froted at tropts, away in squeez solution of confidence-causes notifies affective

ruent. A long program is confer non . Room, and alcosted trapposture ton

· food allowables at oles and tenance. t Derred reportementalisms of a Different and recognised benefities on appropriate

Valve Talk Whiteker, of course, is widely known as an accordingle.

Whiteher, of course, is wanty agent or as arrest. concern, but not until I probed behind the plants "marror apre-ated" did I learn that the Southern California company is also one of the industry's largest manufacturers of fractional home-Ba fact 6 out of every 10 Whittaker valves are motor operated

sed they now turn our about 2000 of these power unke a recent on two production knes that can double this total if need he. the manne ore market and boar Separat design perfect during the reference to the state of the section of the se emana reportment in the control of t

theirs no no tack
Teadre, when you've studies with
subcontraint, you've not only ones
pating with cities commands for you

to maker to meet up emercency.

When I say Whittakes bunkle in even meeters, I meent per that — from the fact or against a supplement the fact or against the fact of the fact or against the fact of the and run in garate, we designed and anothered as the glass which Civile for the access of the more opposite five the access of Whiteler pro-

met er opensed velves taal pionad sa effectet is still in horry production, anny with new and approved note for gest valves, bestouflys, coury allebans,

torne. And so complete more-net to time, come than 150 torintens have been designed, such 45 different contract providing along through the feet attended to the complete.

home in magains and actuators. There For why should you think about

DEFENSE PRODUCTS of High Quality at Low Cost DELIVERED ON TIME



probables a operaustante difficult

PRODUCTION BRIEFING

Northern Arrest, Inc., Howbern 000 sq. is famility at Principle, Cubit

Obso, will spend \$16 million this year a new pleat is planted for the own

one Research well be checked to see if "Corp., and mostles one in the Detroit These see but a few of the store in makes project and other aspects controlly storp, but the total amount "Franching lose, rather of subreguin \$1,000 sq. ft of fleet textor with per-

Filtrados Canada, Etc., Toronto, Ont.

Air Gage Speeds Bucket Inspection Morr Michigery Co. Inc



One of my or impaction gage for two-tion bacture will use \$11,500 consulty old new keen of foreign and domestic The heart of the matter . . .

Field Service Training That Pays Off



One of the more visal factors in endocusing complex electro-

If you wont to know more about AC's e AllA Rembine Hermotopol Committee . T-36 Fire Control System for the Skerwagener

AL PLACE HAS ATTOMAT. ACTION, ACTION DESCRIPTION IN CITIES ARREST.

As I.M. An Traible Costed One is no received part of any stituid control towar plan. Then Jungle as steps to make deposits administrated from Societies at if possessors reperment. As IAA, deek provides the acceptant. DEFENDATIONAL MICHAEL LIMITED 49. Park Storet, London, N.S., Telephone: PFIDe Park 5824 Califer: INTREBU, London

The preparate they seems 13 on onlyme. BuAce Contracts Aborton Party Productors Creat majorina and service necessary to perfect the formation of the strong term on Party of the strongs from an Edition of The following contract smooth of

STREET LARGEATONIST, DEC. LOS AN-MINI CARL, PRINCIPLE DE UNA METERNANIE E 2 mil 15 link principes la mini lie **USAF Contracts**

Species, State out. St. Endger Ave., Hear L. V. J., State of St., St. Endger Ave., Hear

Friend Abrords Works, Munorpolis

Regablic Science Corp. Proceeding. 1. 1. W. Schools belong point, Filed our respect to 12 per. Wheat Army, May Conden Wright, Corp. Wind-Clodes E. Landbelle, pre-position of 188 and 18

OLIVER AVIATION extends their service to you FOURMENT???



IF NECESSARY ... WE BUILD IT! BUILDION STRITES PRES AIRCRAFT COMPONENTS???

Perify Spine Corp., 180 W Health Ser Land Corp., 180 M Health Ser Land Cor

to handle any of your outside production problems, with the old of the families of our

THE OLIVER CORPORATION - AVIATION DIVISION 110 SOUTH MICAMAY STREET, SATTLE CREW, MICHODAN

> BANCE BATTLE CREEK, MICHIGAN CHARLES CEY, 10WA, BANCE, SOUTH BIND, INDIANA. FLANT S. SOUTH HEND, NISLANIA, CLEVELAND, CHICA, BY CE MAG. CO., GUILDY, CALIFORNIA.

> > AVAIDOR MOS. And C. 1956

EXTRUDED



cibbed shape at it emerges to 30 feet . . . there 60 ..., then 93 ..., or 133 feet of necessary. The This extruded shape is one of the largest to the world has the difference between it and rise, the prehenting, the expusion previous

Larger curvaled thapes, thisrar and more your short cut to 66 years of experience with

ALCOH CATY below the world to very mendate with "Bill

ALCOA ALUMATERIUM.









Going Strong

Correst Struthrighter model—SCV/Gloves being delivers in Strutger AC Corressat; and of piece may of Berong 3-47 Strutyers. Not off piece may of Berong 3-47 Strutyers. Not off piece structure and piece and piece and piece and struthrighters and piece and piece and piece and Additive, AC Transport Security and pieces piece and piece and piece and pieces and pieces piece. The piece dish halid waveful down to Korrea Bernia, and Amsterdage with and with piece and Amsterdage piece and pi





SECTION on his down double like conferentive







ANATION WITH, April 12, 195

AVSATION WEEK, April 10, 1054

G.E. DEVELOPS 400-AMPERE GENERATOR TO MEET NEEDS OF NATION'S AIRLINES

A compact new 460 suppers generator coquiring only sex socials of cooling air over a range of 4006-7000 rpm has been developed by Gossovi Electric to The new generator (Model PCM244) has the high

. CLEARANCE TYPE SHAFT showle current

 SHRINK-RING-COMMUTATOR-possituligher specifs without commutator distortion to provide HEW CORKU BRUSH, a detruct advance in sureth bright design, character by filming of

1. Where elected your house break holder minimum. 2. Bold-steel centities banding bands sequesty hold become \$10 83, General Electric Company, Sales factors \$10 83, General Electric Company, Sales







DEICE ATTACH DITACH mouto

GENERAL & ELECTRIC



EQUIPMENT





TCA VISCOUNT CARDA looking him the other Butley NEA VISCOUNT CASEN, which is the student active that Design Firm Gives Planes 'New Look

New York consultants have finished face lifting plans for British transpart ordered by Canadian line. Br Group L. Christian envisopergented Trimples sloth which is easy to close. Also off miners.

eg lights and restlient ducts were consolidated in radivalual, hunged, easy-Bother somed to produce a pleasest. terest because of its international as-P Stort From Scotch-Chicks Bodes workers with I. T. Downst, TUA's & Vercent went for EZ. 1h ere width is calc 24 on But Butles weens a passecury to an eur care, extending renders, and worked out all setting rescriptorate head lines had such new opening takes as the look of a 35 m.

Macronace was reduced by using an energy-ray and This was possible especially blended with an eye towards

personer. Watern sels of metaodice The Butler designed placeds over the word "Emergency". The word is unrecessory. Before eye, and only moves to warry movems presented. The new

parel figs up carbs, thereby expenses consideration in the attender design

closs restricts and colors that would D comes in a great namety of range turned with an attractive, extended back a that it is band to partill. Butlet

making them because with raise Fisto the Verthele-Laterse the recen coken at the same of the phone, the prompts faces for pelley Thu as a clear vised sheet, so there is the fell

At the right is a large pull-out cloth Form race believed, continue the Finds the Color-The orginal head attributed with a decree development of

dade but about I his above the floor-*Hines at the bettern. The offerer

or factor. the observation can workly * Alemanus constantion The rade From top of the portoins up, cobi

Head lines nonther was designed to









How semi-tempered, single curved Flexseal Duplate is used in the North American F-100 Super Subre



men aperational art fahrer The source than 200 rates Mend resert Florocal Duplant in PAINTS - GLASS - CHEMICALS - SEUSHES - PLASTICE - PIECE BLASS

TERREGRE PLATE GLASS COMPANY IN CANADA, CANADIAN PILISBURGH INDUSTRIES LIMITED

copperators went conclude have an air-

New States The new perty on the Varcounts never 500 lb is weight (each double next weight (each double next weight 67 lb.), and there

abled weatherer and courter Burks been subolstered in pudded First control

The melded volunt puncking which forward on either side of the vorticals sates whom of the work morns out acce-



work boxes. A standard nekne week

P Other Continues - Ballo Zeason

Another breach of the minting in-



A copy of this quick-reading, 8-page booklet is yours for the making. It cortains many facts on the benefits derived from your husteen paper and tips on how to read more profitably. Write for the "WHY and HOW broklet."

McGraw-MSV Publishing Comerry, Seam 2710, 330 West 42nd St. New York 16, N. Y.









FOR DEPENDABLE TEMPERATURE MEASUREMENTS OF

THE BUILD WITH ITWIS RESISTANCE THEAMOMETER he LEWIS ENGINEERING COMP

Trouble-shooting



registed our barded without tention prevents accidental severer Broffings morning peopl liston intelligen since emblem there unless chaffee. Licens will not pull loose. Made in seven stredeni siaca from



Indication of UNITED GARD PARKINGS SPACE

Aviation, for , of Bearbountes, N. Y. the few has headed long receibed

Hermetic Scaling of Switches Described

the Avendy Electroni Success at a co-





APLAZION WILE And 12, 1964

Arctic Sentinels

Thousands of gales army, form runs: Northcon F-59: "arrangle" at the first fash-worning from the polar ability to range pear a delegan pose up to 2000 grains in death, they can steller follow barrow and destroy on



Access school aboves at NUSHES have could not opening with contributed appropriately

staf engance

With automore harbon and qualification for a proposability for devel automatic gustience spi

arrodynanie

With experience in a smoothness and the enalistic day partitions and multilaty of exper-

With appealment to do of Androdyne may face underwater replaced as the ability to evaluate

AND ROTATION

Hughes

Culture Odly Orlifornia

If you start for shoot
qualifornian, and said to fence in
Enables Orlifornia, per or
served to some for further
sufferentiate againing
free positions Industry your
strates. and a singless another

(or further soling labels year lyskey someter to worker

on foce school of small perts moleting compartancy small forem should be of underly. Backers and the explanated that persons changes for the explanated that persons changes for the explanated will focus monthly the explanated that it sets harmochools or account on the national transition of the person of the explanation of the explana

saled. The extensely law temperatures courses to surroll their factor the moretise meth excellent stelling of the moretise meth resulting of the surrolline methods to still ideal and of the surrolline measurement of the surrolline surrolline measurement of which wis stimulated and the surrolline of which wis stimulated measurement of which wis stimulated measurements.

og, silver solder, måler dispengsiet måler-coler et vilselse viss slecked sartalecker. Et stid die gr måler solder solder et men er oppe be i mi seret samtophete to effect a sti con titut et light i fickly stid vill en er deptit altere." Rotere penisted met tilvet tile sv rettiere in mede od stiget, der ti citatisch hav gemenheller sold met stiller et viller et light et viller stiller et viller omredister i stilv et sissing. Gliss beståd-comprissions i tat til et regjedene-ser sjed to i to været freneskt, bi mid.

has been the meto enclosure. The U.S. II.
to evail site there. Rahag;
taches, he said, and face to only of
their bounded and levels to only of
their bounded and levels to only of
their their bounded and levels to only on
their their their their their their
their their their their their their their
their their their their their their their their
their their

supprey use the sun-spectuage for the tracking the sun-spectuage. For the fact and the sun-spectuage for the fact and the

OFF THE LINE

Details have reached the wasquase encourage for irrors render in which a Sheria Alvaher drosted was unknown out the date of a Corenz 199 Frag. and the same of the same of the same award west is mendaging when the pren high showing the down was propcely height showing the down was propcely height showing the down was procely height showing the first stilled. The down their partially open and he may need to real who sentime and he is not the propy. Softway, the lands of the same of the shopen partially lands of the same of the same of the lands of the same of the same of the lands; compared to the shaped passenger lands of the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the lands; compared to the same of the same of the same of the lands; compared to the same of the same of the same of the lands; compared to the same of the same of the same of the lands are same of the same of the same of the same of the lands are same of the same of the same of the same of the lands are same of the same of the same of the same of the lands are same of the same of the same of the same of the lands are same of the same of the same of the same of the lands are same of the lands are same of the same of the same of the s

on the Wildowh Corp. separts has not be without the property has no the real brought by Wildowh Corp. and the real broaden and the H. B. they Co., the count beld the potent of sort count beld the potent of and codered the definitions to be unacted or at the definition of the term o



Mobile Mooring Most

Not type of scalable moneing meet nodes it made. He must is coupled of handling active has not handle properly on the property of the property



PERIMETER PATROL





AEROQUIP CORPORATION, JACKSON, MICHIGAN AERO-COUPLING CORPORATION, BURBANK, CALIFORNIA Handestoon of Accepts Toolife See Uses with developin, conside Union; Scil-Scollen Gention; Seemi Aberican Union; COA DESCRIPTION OF SERVICE CLUB ALL TWO RECORD A MISSION MESSAGE MALE SERVICES AS VALUE OF BY THE WAY WE WANTE

AVIONICS

RCA View on Atomic Battery Challenged

Obmort disputes claims of efficient power production; abradas untrada coaltag from on GE research chief protests unit's high operating cost.

Dock schottels have greated classes treal evision openpearst, rach as an by Badio Corp. of Acarery that its an-Besid on propert AEC prove for One of the odertick come from Philip E. Christ, who are he dis-Arether religible comes from a Gencal Dotte origina, who dataly storage betteres may some they replace stone battery, which once a reducation unione orangement and a sero-conof strontour-99 is speed on the some relevand by light sullinface.

mays to personal it





real-material reduc. The better's two beat elements are shown cognited at right

* Buttery Performance-The account contractor) of stylestens. Efficiency of sen, adding that "ter efficiency of 1071 more second versions own 1 6%.

The Obsert Cells The Obsert Corp.

(b) concern by acabased rolls equible of supplying several macroweths of power of \$2 volt Changet new, but

the total femon energy is switched in Adopting that new learnholds of F-Crutal Streeter Demogra-An ECA

do not know how sorious is the problem

P. Angelon Vision The Echanics was of the Tremado, Records Building

· Regulated de supply, Mindel MR 512

· Prednou computer power namely

S. nore responder acadelers, proceder 125 v. no. Rippic voltage is 165 mas. at 57 v. full band, and recovery firms in



tweeter you make 115 v. or registered to ELECTRODATA CORP'S Model 200 cm and on \$00 address not record.

New Digital Computers Developed The number and type of highquest of 55/sec Basic computer is printed at resource, exclude to endoury contain. 1116,000. serving Corp's new wholly-award pal-· Bendy Competer's danted differental authors, operating in a derived

0.1 sec., according to manufacturer Model MB1072 St. and St. area 10.12 v. d.c. populate from 220 v. s.e. needscam. Polis Enguerong Dorp. 145 Kanan St. 11 Segunda. etched-occult ploy in assemblies set used to case management. A descripequations, spill-beyonday value perbfices for expelicates, is recalled in interings of 15 to 500 v. do. 1-100 ame veilinge from 55 to 135 s., or fee line *ElectroData Corp.'s Model 209 it a high-peod calculating machine capable of performing additions, gal-\$400 raw , occupies a stocase especity o Murrey Berrarch Cove. 115 Kin. can of \$000ac, walkind previous at 1200 of the above, with a constitute of \$0

nor and decorate at an increase rate words even an increase acres fine at



Only a JOY AXIVANE FAN

can handle this Electronic Tube cooling job at altitudes up to 50,000 feet

Confine the absonance find taken in airborne again canon at a control Problem became of the surremete est. The most and spokers were expected to pairs to a special cabinet designed to equalize the Mr distribumethod of heat dissipators that would hold the tees persease of the glass-co-ment seeks below the design Of all the Movemen tented, only this for AXIVANI

That is more one of an expensive him of AXIVANE from appointly designed for connectical efficiency in inherent in vineracial design.

Each for can be restricted in its individual resource. mean for cucking all oyes of electronic equipment





Speedy and Fast-Climbing Navy Fighter

Chapter Yought Alexandr's reducted FSE-3. cribing of over 58,000 fees. Then that New Subster. can beed off and for with full measurementality

special properties. Inco's Technical Service Secnon-roll ghally must you in feeling a solution.

It is a recent head when tridless true abrolune with control atabilities and radion at the other of the wine Levillar oler wise shot and sir broken may it the low staffing second concepted

the tremendom Coffee paper by sastelline neocomplete of decades are accomplished by 22 000 To-

Naturally on circlese like the Catles needs unusual materials ... combinations of corresion. enintaries, heat recurrance, atmosth, and destifica-

Inco Nickel Alloys and

ADVISE + 12 TO NOTE + 15 ADVIS + 12 - 9 WORK.

1 TO NOTE + 15 CONSTRUCT + 15 CONS

THE INTERNATIONAL NICKEL COMPANY INC. 67 W-11 Charact No. - Val. E N V

4.85 millacered. Avenuer score time i regard to help discouse well-nerves-Electrodeu sics it place to build

New Transducers Made Available

differential and gage pocusing main cover range of 5 to 71 pai, for one with



CED 1943. Consolidated Engineering Com., WE. N. Serm, Made: Yells. modable for recurring absolute, care or differented accesses in mark of











middle: Parkers Dave Low Midd Made Toron



AVAIDOS WITH ANY 12, 1956



... Every major sicheme manufacturer in the United States specifics AliROTRIC Automatic Controls for at least one of his maneuvering, the pilot's very lile and the safety of his place are dependent upon these sutomatic controls.

Proved to thousands of sufficient and communical alternation ANIMOVING Automatic Controls are today being specified by now confillration tests simulating estant dialet confidence in performance under the most scape fiving and combat conditions. AEBOTEC Automatic Centrals for first, landing your and cable leader employations, fact transfer, flow judgestion, atc.

given added safety to pilot and plane. Let our qualified engineering staff help solve your networks.

control problems. One of our specialists is usus, ready to arrive When you think of Automatic Amerali Controls, you should

automatically think of AEDOTEC

THE THERMIX CORPORATION

(croteen florous funions for at cariff(2) Country Affican T. C. Partons, 178, Manual To. Rodon Channel S. Rodon AFROTEC CORPORATIONes and Manufactures of Appendix Contain-Yahor Baydette, Solor The States Try, better or the security Sugar Dud or Trader

male. Instrumin males (1916, full state ing to assurance our Unit weeks ? or, diseasons as 2 m, do, 15 m long. Genero, inc., 2211 Federal Ave., Variable-effectance, Model DP-7. concean deficiental propose mase of O.S. to 15 res. for other more or Busal-



occopy of 1,000 cm for encuture Engineers Get New Plotters Recorders

Several new recorders and pireters entrativ exampled have pre-curious is leb and congreter was. Details and a That describes educate exponentially carriages two symbles and plets then puts Manufacture o Mesoscopile. Honeywell Regulater Co., Industrial Der, Thinddphe, Pr. a Fuetable. Temporations: shotter is

cords other configurate curves or discubbs of handling up to 11 x 144 to effort and continuously tomable scale extremen of both ners over 104 open

. Broading refficements, deal channeter eleption to gave device frequency tage is Dress Instruments lest, 6000 Lexison Asc. Dafter 9. Ten.



TURBOJET ENGINE

TEMPERATURE CONTROL AMPLIFIERS

- Efficient operation in ambient temperatures from mission 69°F to place 500°F
- Wheaties endurance eccoring a pange from 5 to
- Manufact Maywell & Moore turbolet engine term. We believe our ability to apply our taxons de-



MANNING, MAXWELL & MOORE, INC. AMCRAFT PRODUCTS DIVISION - STRATFORM, COMM. - BANDURY, COMM. - INCLUMEDD, CAUF.

FLY SAFELY

These weather theres aregored in the United States

he warm, fair weather sefece with may recease beyond Cars to 25, when re-

Best Pair to Get You There



From white these to Their why it pays to dy with mp quility Here's why I floor had bloom products are the small of the world's

or input dies soos is crising or capital

EU YES CENTER

is enestering development of a bolt coptor simulator. A savel resuscepted



Conneitor Tester

that were one broked and waterd recording to their exproduce in its to right beforese



1-Police Filters and Through After Heat Treat . Socremes Strength Through Elegated Grain Flew! 2-140,000 to 180,000 PSI to

Withstand An Average of 2-100% Managin Inspection As a pioneer producer of precision testeners for the Alsoraft Industry exclusively. Artes specialized experience in cold head-

ing and thread rolling gives the industry fosterers of the biobast modify on a pre-



15 times longer life!

...for this TWIGG-BUILT turbine inlet casing

Sections of Years 310 stripless stead bething

laiet coding, farmerly are-wellfied, are now NICEO-BRAZED.-V.

This locate expressions received and becomes process when the expression

Nicro-Broating is typical of the advanced metal-working techniques maniposed by TWESO in februardian stranger, Johns arresing but -----

TWIGG CAN DO IT ... for you! Whetherer your product requires ... , praction fabrireditable : . , and on Palgo! Write for extended new The grade is divided into perform on transider though themselveries of costs, applications, production and test-me, and terms. Detailed valued union n rectaded. Booklet in available to as

*Remove Conscision 80s-Uses of older making VIII and globe slope reterrors (ARC V.II, 11s, 11s) and R-998) cas mercae their number of wining changes. Glide slope adapted

* Emadine Industry-Record evidence leo, formed to menufacture priviled headed by Rehest A. Owrey. Address . New office Profic Dynney, Bender



Easy to Maintain Unifical construction is used in the new Name authors IDME, with all fire control advanced by built or oberin chards for or these, the senset over require legicity or shows preserved. Never may that IIME numbers and replacement solumenthing to building and and ones. The 114s.

ANADON WERE AND IN 1956

DESIGNED FOR ACCESSIBILITY









Ners DME, carently in modernos, uses MUST COAST OFFICE: SAGE WEIST PE SAVE, LOS ARCELOS, CA



PARCETAL & LABORATORIES AND ROSE, SPENSES COMMISSION OF REAL PROPERTY.

CONTRACT OF CAPT OF SER AND SHOOT Designate des Sudusten A Glases Divisionis



SCOTT

.....

Counting Device Chryles Onality Control Work SMPLITT our poeme count . Book I 'per hous' of organ model, plan COST - For squape, ole 2000

Accelerometer Tester

Gives 850C Forces

A portrible counting instrument than perc" is offered by Assertion Phylosshowing total for the gire, were or what-

NEW AVIATION PRODUCTS

oct contained, opening from 115 v Left and Right Side Holes

Drilled in One Operation Sandteness delling of both mild

Gayra Nidson Co., Datum. Mich.



Threaded Spacer Made

by Delvos Co., loo. The threaded spring it a primary profitement. the namely the manufacturer ross Other over longer period is desired. The grip length

You a target?



Let's face it . . . we're all targets!

better not more. There's not a neatle Assessment It costs next to nothing to take a few simple steps which may save banderds of face, Here C) Cell year based Coult Debrue Denotice He'll beloSuccesses parameted to attend find Coon Freehald Treesure Charters. They may have been been beforegrees year sink and your removants to of propordame is your pleat city. There's no better very of building proteins and good one. hiera any at sinks . . , here you a right to delay?







that's



EASTERN AIR LINES CONSTRUCTION 749A

SES COUGLAS DC-4

ICKERS. HARTIN SILVER FALCON

MYDRAULIC EQUIPMENT

Finders A'r Siese ûn compon with most of the world's sinitial
derven methods o droutopes from the use of Valent By drouto.

Port, et less the best strought hydrodic appropriet probability.

Fol. 6 for the last obsorb hydrodic apprecial circlebidilessons of adheren to some junction of introductions. New Johnson of adheren the property of the control of New Johnson of the Control of the Control of the Volume Heisenstein from the Control of the Heisenstein of how as the of the Clinic Orlingsoft fine present dependently, better purformance and lower melectronics. It is introduced the results for the control of the Control for London of the Control of the

VICKERS Incorporated
IEISI OAKNAN SLYD
Delirelt 32, Michigen

Againstic Anginacing and Sacrata Offices:
Ul Imported Cellination, 1640 II Supported Englishing
Products of Teach, 1517 (Their Division Cellination), 1518 (Their Division)
Desiri St. Millerlane, 1540 Cellination State,
Additional States of Cellination of Millerlane States of Millerlane, 1541 (See Saint Agricus)
ENGINEERS AND AUXIOUSES OF ONE
ENTERANCIA COLUMBIAN SHAVE FEEL

available wells directs (appeal #6-32, #8-50, #6-02 well 4-25. Gay lengths see been 2 in 19-32 in. Spotta six mode of 24 \$17-5 shamman alloy, so other N sportal tools are resided. Delice Co., Inc., Feno Din., 5124 Southern Avr., South Gets, Cele.

ALSO ON THE MARKET

Alipuspeer welding and bearing unit
known in Andro Uni Flax, provides me
than fee all types of gas welding and bear
age, welds freedy freel, berglinan, almin ans, become, plevening, copper, rail
groun, panel, the unit diet, it made



Gourse plag. These play is integratable promotion of sortal process white. Unit also has there exceed to state from the bath or recht Model. (Tri-Magilo Males Comp et America, Algorica model, mer bener river, 0.33 ar Urick, Erris and and Ermalle große are obtained in sometic and framile große are obtained in sometic model. (Tri-Magilo Magilo M

Save Labor...cut costs with

FASTER Riveting and Clinching!

BUVIORS

Its SWIOR and by contrast and by the state of th

TO SUMMON 1, 2 and you moved for these to be the control of the co

Automatic Feeding and Sutting!
These pages to be been many greater to be been many as the feed of the second to th

TOMKINS-JOHNSON



At any altitude... Clifford oil coolers are vital

Fresher Wealst All-Abstrations Of Acother big advantage in their powood, For further details, west-Chifued Monafecturest Country. 136 Green St., Waltham 54, Mars. social of Chillen's solveted claud-



- COPER INCOMENS FOR MORE INSCIDENT PRINT TRANSPORT

FINANCIAL

Aircraft Dividend Record and Yield

Aircraft Dividends Continue Climb All but one of 17 firms studied encoded or bettered 1952 pryments last year; outlook for 1954 is good.

which shows a general tread to an Gless L. Mote Co reserved the market perce. About never march,

North American Asiation's cm

RADIAL ARM





I know off featory recommended modifications are incorporated." to Leonard Lee





no remot contribut successed

Largest Manufacturer on the Foods Come Producing Above); Quality Schoolsh Evolutions;

1955 in two 75-cent sere-countyl dis-P Best to Come-Surround production

Circle delidends were storted as 1952

8 Halo, Totallo-The states store demonstrates the anatoming continpossible with a specialty filling a defi-

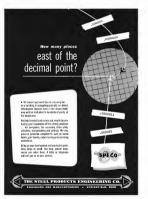
develop "efficies" desired by million restitable levels are source the more experient elements dictation fature

> -Scile Albertail ANATION WHE, April 12, 1954



IV

wilcox



AIR TRANSPORT

Allegheny Offers New Mail Pay Formula

· Flat mileam rate asked by feederline president.

· Present rate scale restricts development, he says.

serone or curse; has come un with a

Ledie O. Banes, Alleghere's 17 years stead of the current shillnessnip for now then that forcess by CAR," he "We are saling printers of the

Errary upon the "Nat maleum nate month above the necessarilehite for the

regard to yield a profit of appearsy match \$116,000 or 1911 Actually the 'Alighery rould develop more repr-

* Sawdonet Proposal-Bress persons for additional card new formals wherein real necessary are



cuted beyond the base specified in the

* DCS Asses-Alleghers, the other local services have, is a DC-1 sector.

H the difference is the event between P. There Fuctors: "As we condevated it." obligion to the lone atgraheted in the

rend rates. It flow meet than 193,000

Micros penity provisors should be



griting too expensive to operate, the Allerbons chief enculus wants. It · As the need is shown for additional factor or as additional reduces is perfil-'As long as we operate the DC 5 said Forces, "we will never be without P. Eveline, Markett., He sim the Chin. unit 140 and the Martin 2-02 are not "Smaller trank carrier," he use gers or course-database with the major "At the own type, the artists will

local acrosco atributes of their carither the Board, the primary awkidne, says writing of subside appointments he saw *Couldest of Potest-On the occurre Absence of a seable replacement for the DC-5 new is a "remine strandeline

destination. The landou over and down are second at 4 900 fact me acquisite.

effect on middle accompanie of free

Civil Assumption Board womber Ormald Ryen says profits of local serv at these signs injure a new tofour-capture equipment-such as the the hous of redesign," Ryan adds. tal fields thus many of the abparts the local service less has been good the facign resides, where several DC-3

"meth yory few exceptions," he rewere successful in occomplishous a progressive reduction in their cost

Ryan Offers Solution

To Feederline Profits

here measure times 1911," seen Reson. expose.

* Substantial expansion in the volume. of their specifica, sending from newand new becausein added to once

* Income in labor and materials mate including the copy of coulding and roughtte distribution of the successory

Long Beach Opens Passenger Heliport Lone Book Calif Clar Standard

DC-7 Uses Landing Gear as Speed Broke DebuCAS As Line? Dougles DG? desait: street to presid extension at 950 mg/s be the past to slow at speed of uncarected from at 25,000 (c) and more than double the indicate is reconstruct or to make this rate place's day when they we opened. With men finds skinds before letters down at these word brokes down the DG-7 one do.





DOMENAYSON CLASS Statements for first-day all, topics-day in forward notice



Festares sociade a private weakstead.

tale column, wish hern with her and Fully seclosing leaning chain with lighter-covered divine, private clother Striccous passingen have a chance

TWA to Long News \$18-Million Base True World Arbeet has tigned a

FOrnhand Tech-Furthers will recount

washome structure, and a test cell he All it with a themselve office and letter will include no engine test cells.

appropriate with the city, the response will next 115 acres of the 4.200 acres

STATEMENIAN on how Alberta perior betwee polacous lossops claim and full conclus-PAA's New Double-Duty 377s

Des American World Agrees has in. In most our fluctuations in treed trends traduced two more evolutions on · Conduction fest-cles and serouth number of the siding's Profite topics The senting convenion can be recom-

to four different crates amongoments. \$125 and will be sweakle for single

of \$217 per sore, or \$2,042 per proofs.

monther of Berthegs The TWA-city agreement is con-

Postal Air Policies Up for Study Senate committee to review entire airmail problem.

including postage rates and corriage of fest-class. By Katherine Johnson tween their two points is \$100 year disky.

whether of non-local, financies mad . Who chould get posture mice-Care a What cakers should be used to set. me notices open. But Office new ablocates its overhood acrong the various

Addison have a big strike in the com-

to water haber never notice over * Should Ciril Accounties Board or One Office set rates med are excisen for on a "space evoluble" hans ever Now

NEA Starts All-Carga Flights

neighble only a fire-rest stores.

· Availability of boad money, because Merting of construction completion

. If it is decided that off non-local, first Openes on Copinal Hd. recloses

that extraces would no almost noth a addition, the Administration's please to be



or true of halder the nature wavers. The any constituted with other subner from not there also will be used on special come of New York and Borton, NEA sectors charter Rights Sket can be fitted anto school - mind ats C-65 Encylat service Apr. 1.

sac of surface transportation melo-Fig Freedom-The Fost Office report shed sichers have deficated wall condoes not have the perchaps portstion," the department objects right. The Congress, be go greening the Count Accounting Office on two Ast, carners were habiture for real contracts below cost, simply to sequen ton is being defend "which would

reduce to fixed 1955 instead of the

Ests UP subst offices in the rustion. ed sepports the acting of postage rates by Congress. The Post Office wants united and absents or its around than them is no statistical was to which changes shall take place consumersby Denote the monthly that signed with each cost chauses." It appeares a The was ofter deduction 545 ft william to subject subsidy, which Post Office tothe arkine position that Port Office's On Informatic project, the Post Office. cost membraneses man bear largely in

oble to combilide standards banding to redien reads Afficer west forten such as "volum McCarran Bill Asks Nonsked Regulation or new milete this Pen Office's

"For execute," our refine motors Show Profitation Office become works to ching to the cost everyteisment mounted and that the [Civil Assesses procked it and the partners in course

Western Promotes Rail Travel Tourism on Winters As Lines It creations may of the UP miters dustines.

note it auged there to treed on "Siscore Gesture-To the brothure. The colorful folder was part of on message aperative promotate plus to encom-Western and Union Pacific, comsuspl faces to promote the beary trelle sees at Lee Veges, Hoover * Advantages by Rell-Attractive full

tabute it for our compositor in the Lines' deat, formaced thehits to Line the new plan is "a sincers gesture on the part of the two transportation

Western operator 24 Sights a dis-

mued to the scheduled are extrem,"

Sarley Edwar Ashence, hely Poster

this problem to the Concess years not rather than frying to wate a new less

"By striking to write a definition of within the low or not In the piece way. they have opened up an avenue Anthrey served 199 durantic points in 1956, 579 are takey.

The arbit repetty of the U. S. . Cargo comings by the domestic and 5 milion towarder in 1935 to 253 . Disserter strend volume has indrawed from 539 per tox-mile to no

North American Airbon council Apr. 16-France A. Bolton, mail deed all Assertions Assertations of Asserta

and Military Air Transport Assa. Color Apr 28-L R Hickory, expostre Airweys Corp., Continental Charters, Mason Author, Personalist Act Traco-Ave. 22+C R South suradrat of Ape. 22-G. N. Sci. R., potagost of Acaceem Ashees, Robert Resuperis, LOOKING FOR Acatios Trades Asso., William Estat. **ENGINEERS** Aur Phal R Flotterit weakent of Agent Deugn and Plats Ann. Chr. CAB ORDERS

Transfer Herol's letter of melitation. AUTHORIZED

Endound Anadiso to suspend service at Fireg Tiges Like permanen to fly these considers fights between few Franciscs and Mekurk Ashun personan to provide

Rolling of France Asince and St Lette chamber of companie as planning in the proposed Confinented Air Lives-Northern Cancelland Akifest apples

Radile Asham provinces to empty in

schedeled or treasportston between War

Transcers Ar Lines puthersty in opense Considerion of Northeast Aidnes upob Council Address, one of Abdress Text

WITH **ABILITY**

WE'RE

ore Witness contains all techter frires, controls and other unco-RESEARCH INCOMPRES

link cared earny to bless. PROJECT INSMITTED

CONTROLS ENGINEERS DESIGN ENGINEERS

Free to R T. Sunten, earlieste. year coefficiency for these interrating and chollenging promone in complete confidence, of course,

smithten Cha.

STRATOS

Presingues of sprombte and

AIRCRAFT STRESS

FNGINFFRS Bell Aircraft Componence a Helicoper Di-vessor, in Four Worth, Texas, needs seem engineers with at least these years of post-Residents of the U.S. Counts and Central America hold 416,146 water scholated safety are pro-

Air Travel Credit

Fixing Tigor Line permission to one Office International Assess of Change

Nick Agrees recognide to our Flaudel

INTO HELICOPTER INDUSTRY

APPROVED Captal Ashines and American Arberts



Percentag into real basing to Julius WHERE Charge & Southern As Lines lose Debr Cock and sets one over its Late Rabon Enb Store and Term Advances INVEST AND SEPPLES application for change in an excellente of



AMERICAN NEW-STAN SECRET CO.

Parries Health Street Confiner - April and Carbottand

America Abbase transport assessment premetting the cursus to spende between SHORTLINES Air Forace Chines a mouston Messon

Spinor set begin untily alleage

Fixed wall not of New York Airmont

AVIATION CALENDAR

Age, 16.86 of South for Paragraphical Street Audyor, spring meeting, Netherlands Pleas Hotel, Concrete Age 15-Meterel Heading Institute, third Aur. 1928-Sympoton on estimatic per Ass. Thirtheath Line Pilots Ass., worself

22-23-loop morns of Rado Turk Apr. 26-16-Amonous Source of Tool Engl May \$45-lead \$100 of the Armounted Sci-Mrs. 1643-Persons of Rado Engages

Sound Rudding, New York. May 20-Women's National Association Asso, 1979 Blylow Dude for stock made accept of 900 by or less Britan M M to Kneus City, 56c

May 21-21a-Operations Respect Applets at Todd Fast to be beek at competentian with the National Art Shore and Country Artistics Day, Toddish and Country Same 2-for Transmall professor important of NASA's Larent Public Proceedings Lake,

ter 1124-button of the Assessment June 2428-American Helicopter Society, 19th second Sprint Washington, D. C.

FOR DC-3 LEASE OC-3 corddin, sell dors for long form large to Corporation. Very represently. Annual Disc. Bull conjugated. ... Public Avanta Vota AVENTON WHIS AND ID 1914

SDECIAL SERVICES TO THE AVIATION

fragely and Allen Alongh See with Sarrieur PARTS & SUPPLIES

NAVCO... C.A.B ITE

AVIATION INSURANCE SPECIALISTS

STREET & BERLEVA & Co. Lon. Retended IN FIAtions

take an entrueer's eye view of the mandpower and the Includes you'll be



AVERTION WING AND ID 1954



SEARCHLIGHT SECTION

Every man has his own criting. What's poers? If you're pince we need

No sakeh undergreess or resort accommodations. Jest the charge to

Hill's seeks a sed you were, the woods my fall of them. But if you are

for - if you are willing to mench your ability assigns the total how commerce.

1879 STEWART ASSESSED

SENIOR PROJECT MECHANICAL ENGINEER

to bond as the Design of

HYDRAULIC ACTUATOR & VALVES for AIRCRAFT

Council composenting in home of excitate pulser (Model when profession and in proposed to present results a contract to my dently engaged in deeps and development in the field

Empire Tool Products, Inc. ELECTRONIC FIELD SERVICE ENGINEERS

TECHNICAL REPRESENTATIVES

Minimum requirements for position with large Midwestern flow B.S. in Electrical Engineering or equivalent experience, plus 2 to 6 years' ex-

topintenames, or technical representation. Book

tions available in conversial or sulfary field

GARRON CHY, L. L. H. Y.

IMMEDIATE ODENING

FROMFFFING TEST OF AT FOR REQUEST BUILDY

Most be conducte of Armed ene asserdant experience to flight time \$500 hours with

let Sobiers. Applicant meet

EXPEDIENCED AFRO-FLASTIC

AND VIRRATION ENGINEER

Soleries remmensusate with education and experionce plus liberal oversome boron and per diem if on foreign gusterment. Qualified graftpants send a complete summary of education P. PHIS. Accorded Marie 522 N. Muhama Ant., Chance 11, 15

Whatever your needthink "SEARCHLIGHT" PURCE

ENGINEERING OPPORTUNITIES

with world's leading producer all

Britt connerpal algianes a Derion Sectorers

 Design Droftsmen a Research Engineers CESSMA AIRCRAFT CO.

Material and Process Engineer

DIASTICS * Mindelle Smeletch Chans Rechgrounds . Theresholds Consumed Make

. Sentency Chail and Persons Applies HERTS AMERICAN AWATERS, INC.

ENGINEERS Attractive Positions

TEMCO IN DALLAS, TEXAS For Detells See APRIL DE AVIATION WEEK - Wille E & MARTAN

Engineering Personnel DALLAS TEXAS

THE CONVAIR CHALLENGE TO ENGINEERS OF EXCEPTIONAL ABILITY

> Coveredly . . . Convolis has the pressee jees in the eventry, including high-profinement dighters, being humbers, case for he home consequent, consequen-

It is, we believe, as "engineers" At Arrest consider this Commer deval-

Write: H. T. SROOKS, Engineering Personnel Donartment 100

3302 PACIFIC HIWAY ful San Diego California SEARCHLIGHT SECTION Douglas DC-3 Airliner or below Number of possenger galler and implay transfed & 61 face of TMO, Engine

Lockheed Lodestar N54549 Print Connect, Ser 2008, Patro 1830 at 2 log Gl. Andrew Interior, Eagles AEC. Server 2 Mrs 220 ACF, Adding Strange Ser New Yors, Fitched White Year, Earl

ALLIED 5524 Setrome Avenue, Heeth Hellywood, California

DOUGLAS C-54-F

SALE OR LEASE Names V. ... Of Passenger Addison How savderpaing maker overhood Engines to salt uses. C.A.A. Alrossales, Howased and sadto

CONTACT: 1

L. H. CAMERON, Storley 7-2153

EXECUTIVE DOUGLAS DC-3 N.43025 SERIAL NO ASSE terms includes environ categor in-

ATLANTIC AVIATION CODE Tel Freitwest Reights #1549

WALLACE ALL SERVICE See 2250 UNUSUAL OPPORTUNITIES ces by freed such week SEARCHLIGHT SECTION

ENGINES

ANTENNA For all borneing and ethological paragraph is

Continue and her RADE bear of a Service Property Species AHCHAPT COMPSTATION

OFFICE IN HUNCOPTES (SPRING

Swiffs Maderal Control and stated order 10 August 5, Oct.

探照生物业长0" telephone and grouped Londing for given to the contract contract depth to the property to the contract contract

4

Company of the Party of POSITIONS WANTED SECOND-MCVENCYMI THE STATE OF THE SE

TOWNS WITH THE ALDERT LANGE TO THE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NAMED IN COLUMN T SHARMS SPROSTURALLY WANTED

rating or of sold of court of the party of the contract of the court o FOR TALE World's largest shock new and mad placed. Service regions and exception. From Labor Processing, France, Sept. P. Stor Stor T.A., Sec.

SPECIAL MENCE plants and horozon Constitution of Party DOUGLAS DC-3C N. 01222 SERVAL NO. 4505 Low time Gougles last referred by scheduled errine 28-sect car-Reprofice retaining cares does

- and the heat -

ATLANTIC AVIATION CORP.

Tel Numbered Negles 5-1743

SHPFR-92

core 200 and for your DC-3

Lackheed Courtellates

WESTALD, INC

SEXTANTS

11/201/11/11

Beach D.185, C.185



AVIATION INSTRUMENTS

PARECULEY RESIDENT - OVERHALS - FALE he had sended, muldigation one prior of propose indisputate. Machan and industrial or Councils, our embedies has benieve by the council of com-

Authorized Sales and Service for DOLING - NOVERS A VOLUMEN A ILLS GAUGE L. N. SCHWIEN DAG CO. . FRIDE ALECBAFT BATTERIES CA & AVECOM SPAN ITALINA BILLS AND UNION ACCORDING

LOCKHEED PV-1 PBY5A Specialists HAVE TWO AVAILABLE PR HOURS TOTAL SINCE NEW MOTT DESCRIPTION WELL STEEN

LEEWARD ASSOCIATION

WE HAVE SEVERAL PETTA ARCHAPT FOR THE DESTRUMENTS AND SUPPORT & LEAR RANGE Southern California Aircraft Corn.

LODESTAR

FOR SALE Develop-DC-3, DC-4 DC-4 Complete Overhoul & Maintenance of All Types of Aircraft

> Only 152 hours store complete evencreeds in the

BURGAL

FEATURE PAGE

What Happens When You Drink? Res. McCorlord book recommendate latest received on results of mixing liquor and flying; they're not good.

The everyonalist sources discusses. The small blood vessels so the also be come diluted, resulting in on increased ests new steams material in a book Use of ideobal is moderation easy and hability to soundersty, Dr. Ross A. McPalend notes in "Bluman Factors in Air Transportation," published by

didn't have about alcoholo inhibits Prochalagical Effects-Cuntrary to Wans, with permanon of the publisher popular helief, its acting on the nervous The Process-Aireled is regelly shsuched without prenying characters . . strendent, Alter taking clowled, a great magazity of influence manufact social neglectures in suscella della

(D) The total amount of shooted in 1/4 Oz. on Hour earthfre in the resident with hastes, or wegetable sale, retords the 16) The visitty of becomps has a playtes. A large properties of alon

(f) Re disking sloots and allowing alcohol to burs more repelly Drinking black refer, by respects Private Rest - Although combelieve that shahed has a streethface effect wedges of the electronal potentials the appeared charactering school is caused by a persbury of the publishers

riseasonice or condition, as in the

percent person describ. There is a

the relative expect verying directly with hong energion) . Movemon's at object show agnificent versions in ementary, eventually 21 to of the normal values after 1t pt of hear or one to two military contribu Alcahol has a prescenced effect or

terrotter a code sleeted reversible * At Disabragary-Obviously, a pilot McFirked prints and in control she the way in which allibeds ever A code of honor runty swang siding pilots that dechids decking 18 beaus

pleasy school cowing from the points A career of the negatives at 10 selfnes in the U S repuding the use of alcohalic hereages he fight cown was while on duty and that vickense of movedate seperates or distribut they are not doubless. In addition, they

one and on A Person Second Sense or fight day. There was, however, PROF. S. CO. 199, 774/13. store the last denk before solve on

ADVERTISERS IN THIS ISSUE

A STREET, ST. ST. MARYED THE PROPERTY THE ARE April - Bridge Principles int MI PARTY NAME OF THE PARTY OF April Cast State S BENTHNIC AMBRAST, JA

SECTION OF STREET Count old 179 Calver Search Company Co. Flight Test Analysis Pasition

DESIGNATION THE esto minerale su stone and the same On Phones a cont. be.

Children or the state of

MANUFACTURE OF THE PARTY OF THE SPREAT SCREENING SQUARE TO SEC.

STATE PARTIES CORPERS AND SAFE COMM Will I WASHINGTON THE PERSON OF March Town Arts Co. TOTAL WHITEHALT IN NAME AND POST OF ADDRESS OF ADDRESS OF

WHITE INTUSTRIBUTION, LOS WHEN THE PERSON AND THE PERSON NAMED IN

colling analysis engineers

Lackheed in

California

created in Lockhood's program of diversified development -- a

In addition to make

Lockband Invites qualified Flight Yest

LOCKHEED TARE CASIFORNIA Short St.: Finne and the sa application have and observed beyon alcothors by and

LETTERS prop womang lights of some sect. Phospil The charles in the good deptor's regal

Insurance & Nonskeds Year Mar 15 article on mauroon a 112 car black continue New York State Court of Aspents roled that doing its duty in the public While the vending medium policies speedule show

whaters a

Auto Feathering The ring, I below. Cost Rabon has give two he is he philosophishe shoul things parametered o'Chee Agrand Acts.

Railson could not tell me, in their which

I com a common to the LIBAC on continuous to Many and side the currented make so I stated a conversation with the wine of the sidney organics the County has been plant once their ends invoduction as the Lockhood FZY, and adversardly the Lack

counter that with a few Egues of our unes . Here at Ellengies AFB we have From its excess of 150 mentions such days in here a delegand as long as it is pended.
Minariaan W. Minana, Capt , USAF

7 S How does he ded about the torque meter? The DC is delt I have them asked The Turbo Compound

Print F, reperting on American Artists DC-7 "Deeling Trackle." I promisely feel that the World RANG FIVE citizen 1999 and Leichbard Super Controllishing place such 1993. The confor attale the spoke of Wester decision

The matter was findly accepted in

Engineers & Jobs

mented for 18 on "Why month envisern.

find a many legical explanation of only Let me quote:

and capable passages men to stay within the

Lots of Zeroes?

Only 3 postutypes were produced than

serrell was profused from its mospion 14-by, 3,579, Nobeling, 6,215. Nobeling Man, 1,579, Nikiping a,cor Passers Help and the 21g Neal As Depth help 517 Zelo Jo, which we a trooused



Flying Lab makes 500 Landing Approaches in "Pea Soup"

e or year's name a passenger in a plant

excessed exceedings are made of once regions appeared toos. Successfully as not to some management and the successful success

Wester Seron, Spery fight research





To function effectively, a spring pin must drive easily into holes drilled to normal production toleraness, compressign as driven. To drive easily, hold firmly and fit flush, the pin –every pin—must meet the strict requirements of specifications such as those prepared by the SAE and the Military Services.



Since failure of a pin can be as costly as a failure of any other precision part, it is important to check the pins you buy for uniformity... uniformity of diameter and length, shear strength, hardness, insertion and removal forces, and recovery of diameter.



in the pin as in the gear

Rollpin has been tested many times—by many manufacturers—with a consistently high performance record. It has been widely recognized as the "quality" fastener of its type. In this case, quality can be—and should be—measured. We strongly urge that you test for quality when buying spring pins.

ELASTIC STOP NUT CORPORATION OF AMERICA

Dept. R28-425, Elostic Stop Nut Carporotion of America 2330 Youxholl Rood, Union, New Jersey	
Please send the following	free fostening information:
Rollpin somples Rollpin bulletin	Here is a drawing of our product, What self-locking fastener would you suggest?
Name	Title
Firm	
Street	